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| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/624,865              | HANNA ET AL.                            |
| Examiner                | Art Unit                                |

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| Cia      | ine      | Data     |                 |              | _        | Claim Date   |  |                |          |          |          |          |                  | Claim Date |          |           |               |          |          |               |    |          |            |          |          |              |             |          |          |                 |          |           |
|----------|----------|----------|-----------------|--------------|----------|--------------|--|----------------|----------|----------|----------|----------|------------------|------------|----------|-----------|---------------|----------|----------|---------------|----|----------|------------|----------|----------|--------------|-------------|----------|----------|-----------------|----------|-----------|
| Cla      |          | ├-       | Date Claim Date |              |          |              |  |                |          |          |          |          |                  |            |          |           |               |          |          |               |    |          |            |          |          |              |             |          |          |                 |          |           |
| Final    | Original | 6/2/06   |                 |              |          |              |  |                |          |          | Final    | Original | 6/2/06           |            |          |           |               |          |          |               |    | Final    | Original   |          |          |              |             |          |          |                 |          |           |
|          | 1        | V        | $\vdash$        | Т            |          | ⇈            |  |                | $\Box$   |          |          | 51       | V                |            |          | П         | ヿ             | 一        | 寸        |               | 1  |          | 101        |          |          | П            |             | $\neg$   |          |                 |          | $\neg$    |
|          | 2        | T        |                 | T            |          |              |  |                |          |          |          | 52       | Т                |            | П        | П         | 寸             | _        | ┪        |               | 7  |          | 102        |          |          |              |             |          |          |                 |          | $\neg$    |
|          | 3        | T        | 1               |              |          | T            | П  |                |          | $\neg$   |          | 53       |                  |            |          | П         | ヿ             | 1        | ╗        | $\neg \vdash$ | 7  |          | 103        |          |          | П            |             |          |          |                 |          | $\neg$    |
|          | 4        | П        |                 |              |          |              |  |                |          |          |          | 54       | П                |            |          | П         |               | Т        | $\neg$   |               | 7  |          | 104        |          |          | П            |             |          |          | $\Box$          |          |           |
|          | 5        | П        | П               |              | Г        |              |  |                |          |          |          | 55       | П                |            | П        |           |               | $\neg$   | $\neg$   |               | 7  |          | 105        |          |          |              |             |          |          |                 |          |           |
|          | 6        | П        |                 |              |          |              |  |                |          |          |          | 56       | П                | Т          | П        |           |               | $\neg$   | П        | i             | 7  |          | 106        |          |          |              |             |          |          |                 |          |           |
|          | 7        | П        | Π               |              |          |              |  |                |          |          |          | 57       | П                |            |          |           |               |          |          |               | ]  |          | 107        |          |          |              |             |          |          |                 |          |           |
|          | 8        |          |                 |              |          |              |  |                |          |          |          | 58       | П                |            |          |           |               |          |          |               | ]  |          | 108        |          |          |              |             |          |          |                 |          |           |
|          | 9        |          |                 |              |          |              |  |                |          |          |          | 59       | Ш                |            |          |           |               |          |          |               |    |          | 109        |          |          |              |             |          |          |                 |          |           |
|          | 10       | П        |                 |              |          |              |  |                |          |          |          | 60       | $\prod$          |            |          |           |               |          |          |               |    |          | 110        |          |          |              |             |          |          |                 |          |           |
|          | 11       |          |                 |              |          |              |  |                |          |          |          | 61       | Ш                | L          |          |           | $\perp$       | $\perp$  | $\Box$   |               |    |          | 111        |          |          |              |             |          |          |                 |          |           |
|          | 12       | Ц        |                 |              |          | 匚            | L  |                | Ш        |          |          | 62       | Ш                | _          |          | Ш         | $ \bot $      | $\dashv$ | Ц        | _             | 4  |          | 112        |          | $\Box$   | Ш            | Ш           | Ш        |          |                 |          | ]         |
|          | 13       | Ш        | -               | Ш            |          |              | <u>L</u>   | Ш              | Ш        |          |          | 63       | Ш                | <u></u>    | Ш        | Ш         |               | _        | _        | _             | 4  | $\vdash$ | 113        | _        |          |              |             |          | Щ        |                 | _        |           |
|          | 14       | Ц        | <u>L</u>        |              | _        |              | ┖  |                |          | _        | ļ        | 64       | Ц                | <u> </u>   |          | Ш         | _             | _        | _        | _ _           | _  |          | 114        |          | L_       |              |             |          |          |                 | _        |           |
|          | 15       | Ц.       | <u> </u>        | _            | _        | _            | _  | <u> </u>       | $\Box$   | _        |          | 65       | $\sqcup$         | <u> </u>   | Щ        | Щ         | _             | _        | _        | _             | 4  |          | 115        | <u> </u> | <u> </u> |              | <u> </u>    |          | Щ        |                 | _        |           |
|          | 16       | Ц        | <u> </u>        | $oxed{oxed}$ | <u> </u> | ┡            | L  | _              |          | 4        |          | 66       | Ц                | <u> </u>   | _        | Ш         | _             | _        | 4        | _             | _  | ļ        | 116        | _        | <u> </u> |              |             |          |          | $\dashv$        |          |           |
| <u> </u> | 17       | Ц        | _               | _            | ļ        | _            | <u> </u>   | _              |          | _        | -        | 67       | Н                | <u> </u>   |          | $\square$ | -             | $\dashv$ | 4        |               | 4  |          | 117        | _        | <u> </u> | _            |             | _        |          | $\dashv$        | _        | _         |
|          | 18       | Н        | <u> </u>        |              | _        | _            | ╙  | $oxed{oxed}$   | Щ        | _        | <u> </u> | 68       | Н                | <u> </u>   | $\vdash$ | $\sqcup$  | _             | 4        | _        |               | _  | <u> </u> | 118        | _        |          |              |             |          | _        | $\dashv$        | _        | $\square$ |
|          | 19       | Н        | ┞               |              | <u> </u> | <u> </u>     | -  |                | $\Box$   | -        |          | 69       | J                | ⊢          | _        | $\vdash$  | -             | -        | 4        |               | 4  |          | 119        | <u> </u> | ├        | $\vdash$     | $\vdash$    |          | $\Box$   | $\dashv$        |          | $\dashv$  |
|          | 20       | Н        | -               | $\vdash$     | L        | -            | <u> </u>   | L              | $\Box$   | -        | <u> </u> | 70       | V                | $\vdash$   | $\vdash$ | $\vdash$  | -             | $\dashv$ | $\dashv$ |               | 4  |          | 120        | _        | ├_       | <u> </u>     | _           | _        |          | -               |          | $\dashv$  |
| ļ        | 21       | H        | -               | _            | <u> </u> | <del> </del> | -  | ┞              | $\vdash$ | $\dashv$ | -        | 71       | N                | ⊢          | $\vdash$ | Н         | $\dashv$      | +        | -        |               | ┥  |          | 121<br>122 | <u> </u> | ┢        | <u> </u>     | <b> -</b> - |          |          | -               | $\dashv$ | $\dashv$  |
|          | 22       | H        | ├               | _            |          | ├            | ├-   | -              |          | -        | -        | 72       | N                | ├-         | -        | $\vdash$  |               | $\dashv$ | $\dashv$ | $\dashv$      | ┨  |          | 123        | <u> </u> | $\vdash$ |              | $\vdash$    | _        | $\vdash$ | $\dashv$        |          |           |
|          | 23       | Н        | ⊢               | -            |          | ├            | ├-   | H              | -        | $\dashv$ |          | 73       | N                | ├          | -        | $\vdash$  | $\dashv$      | $\dashv$ | $\dashv$ |               | ┥  |          | 123        | _        | ┝        |              | ⊢           |          |          | $\dashv$        |          |           |
|          | 24       | Н        | ⊢               | -            | -        | ┢            | ├  | ├              | $\vdash$ | $\dashv$ |          | 74<br>75 | \ <del>\</del> \ | ├-         | -        | $\vdash$  | $\rightarrow$ | $\dashv$ | $\dashv$ | -             | -  |          | 125        | <u> </u> | H        | H            | $\vdash$    |          |          | -               |          |           |
| <u> </u> | 25       | ╀        | ├               | -            | ┝        | ⊢            | ⊢  | ⊢              | $\vdash$ |          | <b> </b> | 76       | 7                | -          | -        | $\vdash$  |               | -        | -        |               | -  | <u> </u> | 126        |          | ├        |              | -           | -        | -        | $\vdash$        | -        | $\dashv$  |
| <u> </u> | 26<br>27 | Н        | ├-              |              | ├        | -            | ├  | ⊢              |          |          |          | 77       | N                | ⊢          | H        | $\vdash$  | -             | +        |          |               | -  | $\vdash$ | 127        | $\vdash$ | ⊢        | -            |             |          |          | $\vdash$        | -        | $\vdash$  |
|          | 28       | 1        | -               | ⊢            | -        | -            | ╁  |                | Н        |          | <b>—</b> | 78       | N                | ┢          | H        | Н         |               |          | ┥        |               | ┨  |          | 128        | ┝        | ┢        | -            |             |          |          | $\vdash$        | -        | $\vdash$  |
| -        | 29       | Н        | ╁               | $\vdash$     | ┝        | ╁            | ╁  |                | Н        |          | $\vdash$ | 79       | 7                | -          | $\vdash$ | Н         | $\dashv$      | +        | $\dashv$ | +             | ╡  |          | 129        |          | ┢        | H            | ⊢           |          | H        | $\vdash$        |          | -         |
| -        | 30       | ┨        | ├               | H            | -        | ╁            | ╁╾   | -              | Н        | $\dashv$ | <b>-</b> | 80       | V                | ┢          | ┝        | Н         |               | $\dashv$ | ┪        | +             | ┨  | <u> </u> | 130        | -        | $\vdash$ |              |             |          |          | -               | _        |           |
| -        | 31       | Н        | ┢╌              | $\vdash$     |          | ┢            | ┢  | <del>  -</del> | $\vdash$ | $\dashv$ |          | 81       | <del>"</del>     | -          | _        | Н         | $\dashv$      | $\dashv$ | $\dashv$ | +             | ┨  | <b>-</b> | 131        |          |          |              |             | _        |          | $\vdash$        |          | $\vdash$  |
| -        | 32       | Н        | ┢               | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   | H              | Н        | $\dashv$ |          | 82       | $\vdash$         | _          | _        | Н         |               | _        | $\dashv$ | $\neg$        | ┪  | _        | 132        | ┪        |          |              |             |          |          |                 | _        |           |
| -        | 33       | Н        | H               | H            | $\vdash$ | -            | 一  | -              |          | $\dashv$ |          | 83       | ┢                | -          | -        | Н         | $\dashv$      | $\dashv$ | $\dashv$ | $\dashv$      | ٦. |          | 133        |          | T        | Т            | Н           | _        |          |                 |          | П         |
|          | 34       | Н        | $\vdash$        | $\vdash$     | $\vdash$ | $\vdash$     | <del>                                     </del> |                | Н        | $\dashv$ |          | 84       | $\vdash$         | T          |          | Н         | $\dashv$      | $\dashv$ | 7        |               | ┪  |          | 134        | $\vdash$ | $\vdash$ | Т            |             |          |          | $\Box$          |          | П         |
|          | 35       | П        | T               | Г            | Т        | T            |  | ┰              | П        | $\neg$   |          | 85       | T                | $\vdash$   | Г        | П         |               | $\dashv$ | $\dashv$ | $\neg$        | 1  |          | 135        |          |          | П            | Г           |          | Г        | $\Box$          |          |           |
|          | 36       | Н        | T               | $\vdash$     | $\vdash$ | tΤ           | Τ  | ऻ              | Н        | ヿ        |          | 86       | Г                |            |          | П         | $\neg$        | $\dashv$ | $\dashv$ | _             | 1  |          | 136        |          | Г        | П            | $I^{-}$     |          |          |                 |          |           |
|          | 37       | П        | Т               | T            | Τ        | $\vdash$     | 1  |                | П        | $\neg$   |          | 87       | Г                | Γ          | Г        |           |               | $\neg$   |          | $\neg \vdash$ | 7  |          | 137        | Г        | Г        |              |             |          |          |                 |          |           |
|          | 38       | П        |                 | 1            |          | Г            | П  | Γ              | М        | $\neg$   |          | 88       | Г                | T          |          |           |               | $\neg$   |          |               |    |          | 138        |          |          |              |             |          |          |                 |          |           |
|          | 39       | П        | Τ               | Π            | <u> </u> | $\top$       |  | Г              | П        | ヿ        |          | 89       |                  |            |          |           |               |          |          |               |    |          | 139        |          |          |              |             |          |          |                 |          |           |
|          | 40       | П        | L               |              |          | L            |  |                |          |          |          | 90       |                  |            |          |           |               | $\Box$   |          |               |    |          | 140        |          |          |              |             |          |          |                 |          |           |
|          | 41       |          | Γ               |              |          | Γ            |  |                |          |          |          | 91       |                  |            |          |           |               |          |          |               |    |          | 141        |          |          | 匚            |             |          |          |                 |          |           |
|          | 42       | $\prod$  |                 |              |          | $\Gamma$     |  |                |          |          |          | 92       |                  |            |          |           |               |          |          |               | ]  |          | 142        |          |          | 匚            | L           |          |          | Ш               |          |           |
|          | 43       | $\prod$  |                 |              |          |              |  |                |          | _]       |          | 93       |                  |            |          | $\Box$    |               |          |          |               |    |          | 143        |          |          | L            |             |          |          | Ш               |          |           |
|          | 44       | П        |                 |              |          |              |  |                |          |          |          | 94       |                  | L          |          | Ш         |               | [        |          |               | _  |          | 144        |          | _        | _            | _           |          | _        | Ш               |          | <u> </u>  |
|          | 45       | Ц        |                 | Ĺ            |          |              | $oxedsymbol{oxed}$                               |                |          |          |          | 95       |                  |            |          |           |               | _[       |          |               | 4  |          | 145        | <u> </u> | $\vdash$ | _            | _           |          | _        | Ш               |          |           |
|          | 46       | Ц        | L               | L            | L        | L            | <u> </u>   | L              | Ш        |          | L        | 96       | $oxed{oxed}$     |            | _        | Ш         | Ш             |          |          | ot            | _  |          | 146        | _        | _        | $oxed{oxed}$ | L_          | _        | <u> </u> | Ш               |          | <u> </u>  |
|          | 47       | Ц        |                 |              |          | _            | $oxed{oxed}$                                     | <u>L</u>       | Ш        | _        | <u> </u> | 97       | lacksquare       | <u> </u>   | oxdot    | Ш         |               | _        |          |               | _  |          | 147        | _        | <u> </u> | <u> </u>     | <u> </u>    | <u> </u> | <u> </u> | Ш               |          | $\vdash$  |
|          | 48       | Ц        | $\vdash$        | <u> </u>     |          | $\perp$      | <u> </u>   | L_             | Ш        | _        |          | 98       | <u> </u>         | <u> </u>   | <u> </u> | Ш         |               | _        |          |               | 4  | <u> </u> | 148        | _        | _        |              | <u> </u>    | <u> </u> | <u> </u> | $\vdash \vdash$ | _        | <u> </u>  |
|          | 49       | ازا      | 1_              | $\vdash$     |          | <b> </b>     | <b>↓</b> _                                       | <u> </u>       | Щ        |          | <u></u>  | 99       | <u> </u>         | _          | $\vdash$ | Ш         | $\Box$        | _        | _        |               | 4  |          | 149        | ļ        | ļ        | ⊢            | <u> </u>    | <u> </u> | <u> </u> | $\vdash$        | _        |           |
| L        | 50       | <u> </u> |                 |              |          | <u>L</u>     | L  | L.             | Ш        |          |          | 100      | <u> </u>         | 1          |          | Ш         |               |          |          |               | ┙  | L        | 150        | L        |          | <u> </u>     | L_          | L        | <u> </u> |                 |          |           |